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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/765,141 | 01/28/2004 | Anthony Verdes | 246453US25 | 2278 |

22850 7590 04/20/2005

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ALEXANDRIA, VA 22314

EXAMINER

CRANSON JR, JAMES W

ART UNIT PAPER NUMBER

2875

DATE MAILED: 04/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/765,141

Applicant(s)

VERDES ET AL.

Examiner

James W. Cranson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-16 is/are allowed.
- 6) ☒ Claim(s) 1,3,5 and 7 is/are rejected.
- 7) ☒ Claim(s) 2,4,6 and 8 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 5, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by USPN 6,499,860 B2to Begemann. A light bulb comprising plural light emitting diodes and a heat sink is disclosed by USPN 6,499,860 B2to Begemann.

Regarding claim 1;

A light bulb (figure 1) comprising :

a board (3) supporting at least one LED (4);

a base (2) housing; and

a heat sink (1) housing configured to be secured to said base (2) housing at a first end (bottom of heat sink 1 in figure 1) of said heat sink housing and configured to receive said board at a second end (top of heat sink 1 in figure 1) of said heat sink housing, opposite to said first end of said heat sink housing , said heat sink housing further configured to have sufficient thermal mass to act as a heat sink (column 4, lines 6-13).

Regarding claim 3, according to claim 1,

Begemann discloses in figure 1 a lens that fits over said board and connects to heat sink housing at second end of heat sink housing.

Regarding claim 5, according to claim 1,

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Begemann discloses in figure 1 plural LEDs (4) mounted on board.

Regarding claim 7, according to claim 3,

Begemann discloses in column 3, lines 54-56 a plastic lens.

Allowable Subject Matter

Claims 2, 4, 6, and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: Claim 2, according to claim 1 ads a power supply sub-assembly configured to fit into said base housing and to provide power to at least one LED.

The limitations set forth in claim 2 are not found or taught in the art of record.

Claims 4,6, and 8 depend from claim 2 and would be allowable for the same reasons.

Claims 9-16 are allowed.

The following is an examiner's statement of reasons for allowance Claim 9 has light bulb LED with means for supporting LED, first means for housing said means for supporting, second means for housing to be secured to said first means for housing at a first end of said second means for housing and for receiving said means for supporting at a second end of said second means for housing opposite to said first end of said second means for housing said second means for housing further configured to have sufficient thermal mass to act as a heat sink. The limitations set forth in claim 9 are not found or taught in the art of record.

Claims 10-16 depend from claim 9 and are allowable for the same reasons.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

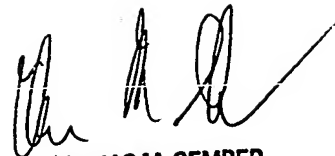
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure are USPN 4,727,289 to Uchida, USPN 6,227,679 TO Zhang et al. and USPN 6,659,632 to Chen. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James W. Cranson whose telephone number is 571-272-2368. The examiner can normally be reached on Mon-Fri 8:30A.M.- 5:00P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandy O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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THOMAS M. SEMBER
PRIMARY EXAMINER